

Amendments to the Claims:

This listing will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A disposable diaper comprising:

a liquid-pervious topsheet;

a liquid-impervious backsheet;

a liquid-absorbent core having a length, width and thickness and being covered with an absorbent and diffusive sheet and disposed between said topsheet and said backsheet;

Q₁ said core being formed on a side facing said topsheet with at least one groove depressed in a direction from a side of said topsheet toward a side of said backsheet, said at least one groove having a bottom and side walls both covered with said topsheet;

said core containing water-absorbent fibers and superabsorbent particles; and

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continuous manner] said water-absorbent fibers and superabsorbent polymer particles being disposed substantially [in a uniformly in a single zone within the core between said topsheet and said backsheet which single zone is substantially coextensive with the ~~length and~~ width of the core and along said bottom of said at least one groove with a higher concentration of the superabsorbent polymer particles within a vicinity of the at least one groove.

Claim 2 (previously presented): The disposable diaper according to Claim 1, wherein said superabsorbent polymer particles are joined integrally with the absorbent and diffusive sheet covering said core along said bottom and side walls of said at least one groove.

Claim 3 (previously presented): The disposable diaper according to Claim 1, wherein said absorbent and diffusive sheet is joined to said topsheet along said bottom and side walls of said at least one groove by means of an adhesive.

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Claim 4 (previously presented): The disposable diaper according to Claim 1, wherein said water-
[concentration]
absorbent fibers form a thin layer having a density higher than a density of said water-absorbent
[than the single zone containing the superabsorbent polymer particles]
fibers around a depth of said core, said thin layer being in close contact with said absorbent and
diffusive sheet.

above the single zone containing the superabsorbent polymer particles has

Claim 5 (previously presented): The disposable diaper according to Claim 1, wherein said water-absorbent fibers comprises fluff pulp fibers.

Claim 6 (original): The disposable diaper according to Claim 1, wherein a distribution density of said superabsorbent polymer particles gradually increases in a thickness direction of said core from said topsheet toward said backsheet.

Claim 7 (previously presented): The disposable diaper according to Claim 1, wherein said disposable diaper has a front waist region, a rear waist region and a crotch region extending between these two waist regions and wherein said at least one groove extends in a longitudinal direction of said diaper.

Claim 8 (previously presented): The disposable diaper according to Claim 7, wherein said at least one groove comprises at least two grooves and said crotch region is formed along transversely opposite side edge portion^S thereof with said at least two grooves, respectively, extending in said longitudinal direction in parallel to each other.

Claim 9 (previously presented): The disposable diaper according to Claim 8, wherein a distribution density of said superabsorbent polymer particles in said core is higher between said at least two grooves extending in parallel to each other than outside said at least two grooves.

Claim 10 (previously presented): The disposable diaper according to Claim 1, wherein the core contains at least 20% by weight of thermoplastic synthetic fibers.

Claim 11 (previously presented): The disposable diaper according to Claim 10, wherein the thermoplastic synthetic fibers have a melting point of $100^{\circ}\text{C} \pm 20^{\circ}\text{C}$.